



I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 22, 2007

Signature:

K. Moussalli
(Kristen Moussalli)

AP12 Rec'd PCT/PTO 24 AUG 2007

Docket No.: 0113507.122US1 / SHI-012
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Atsushi MIYAJIMA et al. Confirmation No.: 3869
Application No.: 10/581,393 Art Unit: N/A
Filed: June 2, 2006 Examiner: Not Yet Assigned
Title: METHODS FOR PRODUCING HEMATOPOIETIC STEM CELLS OR
VASCULAR ENDOTHELIAL PRECURSOR CELLS

MS Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Dear Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371, mailed January 29, 2007, Applicant respectfully submits a Combined Declaration and Power of Attorney, a Petition for Extension of Time, and a copy of the Notice.

Please charge our Deposit Account No. 08-0219 in the amount of \$2,290.00 covering the required fees. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 08-0219, under Order No. 0113507.00122US1.

Respectfully submitted,

Dated: August 22, 2007

Ann-Louise Kerner

Ann-Louise Kerner, Ph.D.
Registration No.: 33,523
Attorney for Applicant(s)

08/28/2007 GFREY1 00000132 080219 10581393
02 FC:1617 130.00 DA
Wilmer Cutler Pickering Hale and Dorr LLP
60 State Street
Boston, Massachusetts 02109
(617) 526-6000 (telephone)
(617) 526-5000 (facsimile)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22303-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ADDITIONAL DOCKET NO.
10/581,393	Atsushi Miyajima	0145507/00122US1/SHI-012
INTERNATIONAL APPLICATION NO.		
PCT/JP04/16470		
I.A. FILING DATE	PRIORITY DATE	
10/29/2004	12/04/2003	

Ann-Louise Kerner
 Wilmer Cutler Pickering Hale and Dorr
 60 State Street
 Boston, MA 02109

CONFIRMATION NO. 3869

371 FORMALITIES LETTER



OC000000022208902

Date Mailed: 01/29/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/02/2006
- English Translation of the IA filed on 06/02/2006
- Copy of the International Search Report filed on 06/02/2006
- Preliminary Amendments filed on 06/02/2006
- Information Disclosure Statements filed on 09/11/2006
- U.S. Basic National Fees filed on 06/02/2006
- Priority Documents filed on 06/02/2006

WILMER CUTLER PICKERING
 HALE and DORR LLP DOCKETING

RE: 113507.122 US1
 Action Date: 3/29/07
 Action to be Taken: Missing Requirement
 Docketed By: EK On: 11/3/14

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

KAREN M WILLIAMS

Telephone: (703) 308-9140 EXT 213

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/581,393	PCT/JP04/16470	0113507.00122US1/SHI-012

FORM PCT/DO/EO/905 (371 Formalities Notice)



PTO/SB/21 (04-07)

Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/581,393-Conf. #3869
Filing Date	June 2, 2006
First Named Inventor	Atsushi MIYAJIMA
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	0113507.122US1 / SHI-012

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	-Part 2 Copy of Notice
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	-Combined Declaration/Power of Attorney
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	-Return Receipt Postcard
<input checked="" type="checkbox"/> Reply to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	WILMER CUTLER PICKERING HALE AND DORR LLP		
Signature			
Printed name	Ann-Louise Kerner, Ph.D.		
Date	August 22, 2007	Reg. No.	33,523

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 22, 2007

Signature: (Kristen Moussalli)



Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2007		Complete if Known		
		Application Number	10/581,393-Conf. #3869	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	June 2, 2006	
		First Named Inventor	Atsushi MIYAJIMA	
		Examiner Name	Not Yet Assigned	
TOTAL AMOUNT OF PAYMENT		(\$) 2,290.00	Attorney Docket No.	0113507.00122US1 / SHI-012

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> None
<input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: 08-0219
Deposit Account Name: Wilmer Cutler Pickering Hale and	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
Application Type	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fees Paid (\$)
		Fee (\$)		Fee (\$)		Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
2. EXCESS CLAIM FEES							
Fee Description						Small Entity	
						Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
Total Claims		Extra Claims	Fee (\$)	Fee Paid (\$)		Multiple Dependent Claims	
- =		x	=			Fee (\$)	Fee Paid (\$)
HP = highest number of total claims paid for, if greater than 20.							
Indep. Claims		Extra Claims	Fee (\$)	Fee Paid (\$)			
- =		x	=				
HP = highest number of independent claims paid for, if greater than 3.							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof		Fee (\$)	Fee Paid (\$)		
- 100 =	/50 =	(round up to a whole number) x		=			
4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)						Fees Paid (\$)	
Other (e.g., late filing surcharge): 1255 Extension for response within fifth month						2,160.00	
1051 Surcharge-Late oath or declaration						130.00	

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	33,523
Name (Print/Type)	Ann-Louise Kerner, Ph.D.	Telephone	(617) 526-6000
		Date	August 22, 2007

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Dated: August 22, 2007	Signature: (Kristen Moussalli)